PROJECT DESCRIPTION GENERAL THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 3 (ROBERT CRAIN HWY.) AT MD 450 WEST (ANNAPOLIS RD.) IN PRINCE GEORGE'S COUNTY. MD 3 IS CONSIDERED TO RUN IN A NORTH/ SOUTH DIRECTION. MD 3 IS BEING RE-STRIPED TO 4 THROUGH LANES EACH DIRECTION. INTERSECTION OPERATION THE EXISTING CABINET/CONTROLLER SHALL BE UTILIZED AT THIS LOCATION, THE INTERSECTION WILL CONTINUE TO OPERATE IN A FULLY-ACTUATED MODE USING 6 NEMA PHASES, THERE IS AN EXCLUSIVE LEFT TURN PHASE FOR THE NORTH AND SOUTHBOUND MOVEMENTS OF MD 3. THE MD 3 THROUGH MOVEMENTS OPERATE CONCURRENTLY. THE MD 450/ GAS STATION ENTRANCE MOVEMENTS OPERATE IN A SIDE STREET SPLIT MODE PHASE. SPECIAL NOTES 1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS: PROJECT CONTACTS: MR. BRIAN YOUNG. ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (301) 513-7358 MR. DUANE BERNARD, ASSISTANT DISTRICT ENGINEER - CONSTRUCTION PHONE: (301) 513-7336 MR. VERNON STINNETT, ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (301) 615-7304 MR. AUGIE REBISH, UTILITY ENGINEER PHONE: (301) 513-7350 MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630 MR. EDWARD RODENHIZER, SUPERVISOR, SIGNAL OPERATIONS PHONE: (410) 787-7652 2. ALL INTERNAL CABINET WIRING SHALL BE PERFORMED BY THE SHA SIGNAL SHOP. CONTACT ED RODENHIZER 72 HOURS PRIOR TO CONSTRUCTION. EQUIPMENT LIST A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION. B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR. UNITS DESCRIPTION MAINTENANCE OF TRAFFIC LUMP SUM MOBILIZATION LUMP SUM VIDEO DETECTOR INTERFACE PANEL (1-4 CAMERAS).

SOLO-PRO VIDEO CAMERA WITH CABLE (1 - 400 LF) NON-INVASIVE PROBE (SET OF 3) WITH 1000 FT. LEAD-IN CABLE 12 IN. 3-SECTION LED SIGNAL HEAD - SPAN 12 IN. 3-SECTION LED SIGNAL HEAD (RA, YA, GA) - SPAN 30 IN.X 36 IN. R3-5(L) SIGN - SPAN WIRE 42 IN X 30 IN. W9-2(4) SIGN - SPAN WIRE HANDHOLE 5-CONDUCTOR CABLE (NO. 14 AWG) 120 LF 7-CONDUCTOR CABLE (NO. 14 AWG) 935 LF 3 IN. PVC CONDUIT [SCHEDULE 80] - TRENCHED LF 3 IN. PVC CONDUIT [SCHEDULE 80] - SLOTTED IN ROADWAY 140 4 IN. PVC CONDUIT [SCHEDULE 80] - SLOTTED IN ROADWAY 24 IN. HEAT APPLIED THERMOPLASTIC PAVEMENT MARKING - WHITE FOR STOP LINE. 160 RELOCATE EXISTING SIGN - SPAN RELOCATE EXISTING UNDERGROUND INTERCONNECT CABLE (APPROX. 1960 LF) LUMP SUM REMOVE EXISTING SIGNAL HEAD LUMP SUM REMOVE EXISTING SIGNAL CABLE LUMP SUM LS 48 IN. x 75 IN. SHIELD ASSEMBLY SIGN - POLE MOUNT C. ALL MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR. QUANTITY UNITS DESCRIPTION

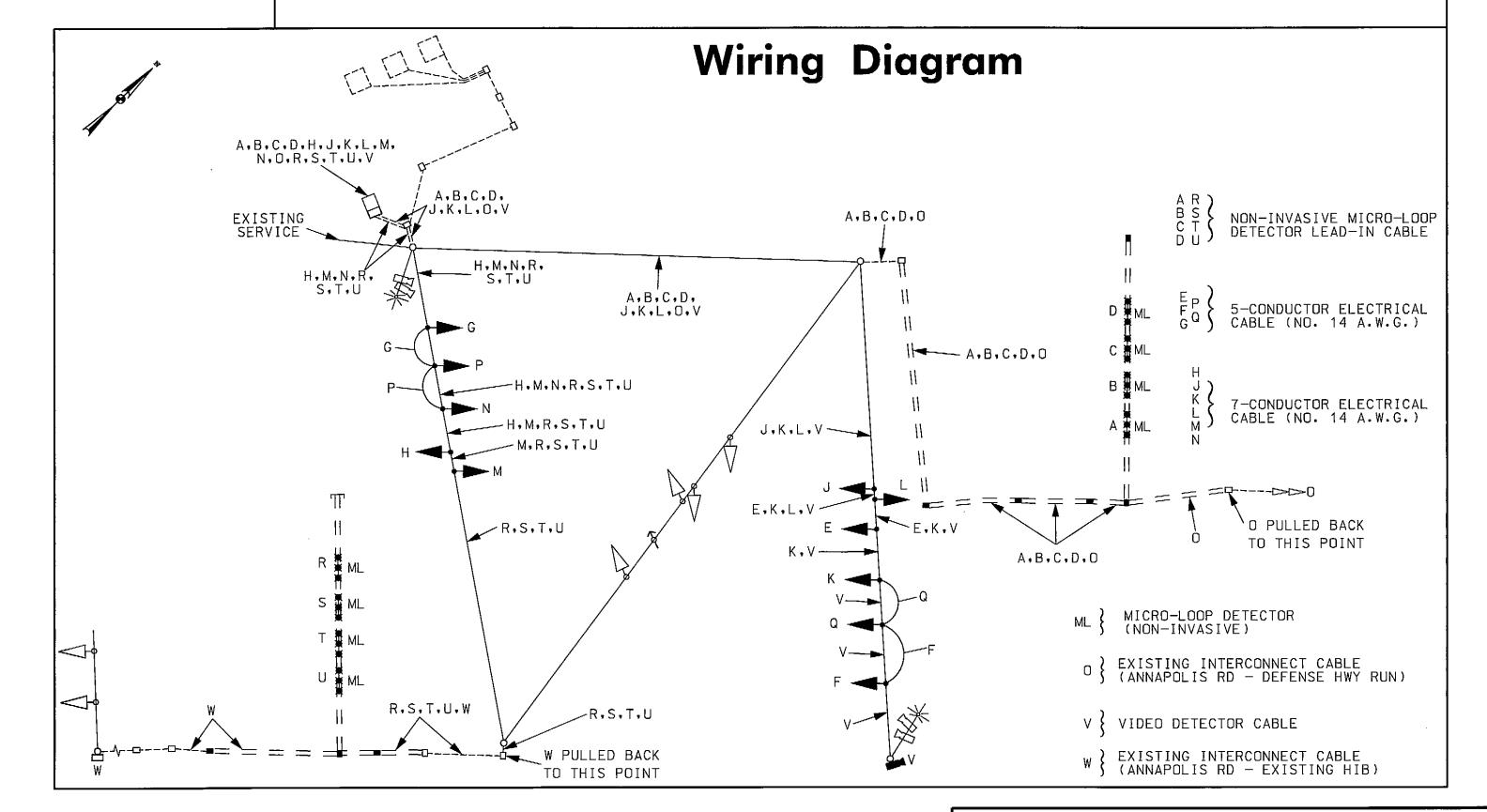
## GENERAL NOTES

EA 12 IN. 3-SECTION SIGNAL HEAD - SPAN

EA 12 IN. 3-SECTION SIGNAL HEAD (RA, YA, GA) - SPAN

- 1. VIDEO CAMERA LOCATION/ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- 2. CONDUIT TO BE SLOTTED IN THE ROADWAY SHALL BE INSTALLED PRIOR TO FINAL SURFACE PAVING.
- 3. PAVEMENT MARKINGS DETAILED ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MD-SHA STANDARDS. ALL OTHER PAVEMENT MARKINGS ARE TO BE CONSIDERED AS EXISTING.
- 4. GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF SIGNAL EQUIPMENT. ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS. HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- 5. ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING ALL UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
- 6. ALL UNUSED CABLE SHALL BE REMOVED.
- 7. CONTRACTOR TO CONTACT ED RODENHIZER 72 HOURS PRIOR TO CONSTRUCTION AT (410) 787-7652.

Phase Chart 7 8 9 10 11 12 13 14 15 RYG |←G−|←G−|←G−| R | R | R |←G−|←G−| R | R | R | R | R | R | PHASE 1 AND 5 1 AND 5 CHANGE TO 1 AND 6, 2 AND 5, OR 2 AND 6 G |←R-|←R-| R | R | R | **←**G--|**←**G-| G R PHASE 1 AND 6 R 1 CHANGE |←Y-|←Y-|←Y-| G G |←R-|←R-| PHASE 2 AND 5 |←R-|←R-|←R-| R | |**←**G−|**←**G−| |←R-|←R-|←R-| R | R |**←**Y−|**←**Y−| G | 5 CHANGE G |←R--|←R--| G | G G R PHASE 2 AND 6 2 AND 6 CHANGE ←R-|←R-|←R--| Y | ←R-|←R-| ←R-| R | R | R | ←R-| ←R-| R | R PHASE 3 +R-|+R-|+R-| R | R | R |←R−|←R−| R | R | 3 CHANGE ←R-|←R-|←R-| R | R | PHASE 4 R |←R-|←R-| R | R | ←R-|←R-|←R-| R | R | R | ←R-|←R-| R | R | R | 4 CHANGE FLASHING **OPERATION** 





STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION

MD 3 (ROBERT CRAIN HWY) AT MD 450 WEST (ANNAPOLIS RD)

GENERAL INFORMATION PLAN			
SCALE N/A	DATEJ	ULY 30, 2009	CONTRACT NO. BW996M82
DESIGNED BY	J. STORCK	COUNT	PRINCE GEORGE'S
DRAWN BY	J. STORCK	LOGMIL	E16000302.20
CHECKED BY		TIMS NO	O
F.A.P. NO TOD NO			
TS NO. 512E	DRAWING <b>GI</b>	I- <b>01</b> OF 02	SHEET NO. 2 OF 2

PLOTTED: Thursday, July 30, 2009 AT 10:32 AM FILE: F:\1995\1995\_1234a\DES\TEDD MD3-MD450\pSG-N002\_MD3@MD450.dgn

"Merging Innovation and Excellence"®

The Traffic Group, Inc. 9900 Franklin Square Drive Baltimore, Maryland 21236 Fax 410-931-6601

Suite H

410-931-6600

1-800-583-8411